

330130-080-12-05

3300 XL 8 mm FluidLoc extension cable with connector protector

It extends a 3300 XL 8 mm eddy-current proximity loop while limiting fluid migration through the cable interior.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 8 mm Proximity Transducer System

PART

330130-080-12-05

ORIGIN / HS

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PRODUCT OVERVIEW

It extends a 3300 XL 8 mm eddy-current proximity loop while limiting fluid migration through the cable interior.

1

Provides eight metres of extension length

2

Uses FluidLoc cable construction

3

Includes probe-side connector protection

4

Supports a matched 3300 XL 8 mm system with multiple approvals

SYSTEM COMPONENTS

3300 XL 8 mm probe

matched 3300 XL Proximity Sensor

ClickLoc coaxial connectors

compatible vibration or position monitor

TECHNICAL NOTE

Verify the required total system length before connecting 330130-080-12-05, keep the protected ClickLoc joint free of oil and contamination, and route the FluidLoc cable without crushing, kinking or tensile load.

TECHNICAL DATA

PARAMETER	VALUE
Part number	330130-080-12-05
Cable length	8.0 m (26.2 ft)
Cable type	FluidLoc
Connector protection	Connector protector
Agency approval option	Multiple approvals
Cable impedance	75 ohm triaxial

PARAMETER	VALUE
Cable insulation	FEP
Core resistance	1.76 +/- 0.26 ohm
Jacket resistance	0.53 +/- 0.11 ohm
Capacitance	69.9 pF/m typical
Minimum bend radius	25.4 mm (1.0 in)

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330104-00-06-05-02-CN	Related Bently Nevada product	View 330104-00-06-05-02-CN page
330930-065-01-05	Related Bently Nevada product	View 330930-065-01-05 page
330708-00-10-90-02-00	Related Bently Nevada product	View 330708-00-10-90-02-00 page
162381-138-040-90-05	Related Bently Nevada product	View 162381-138-040-90-05 page
162381-064-028-50-05	Related Bently Nevada product	View 162381-064-028-50-05 page
200151-XX-XX-XX-MOD-3233...	Related Bently Nevada product	View 200151-XX-XX-XX-MOD-3233... page
162381-078-027-50-05	Related Bently Nevada product	View 162381-078-027-50-05 page
330103-00-12-10-12-05	Related Bently Nevada product	View 330103-00-12-10-12-05 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Oil-film bearing vibration monitoring

Provides eight metres of extension length

Axial thrust-position loops

Uses FluidLoc cable construction

Keyphasor phase-reference service

Includes probe-side connector protection

Turbomachinery proximity-loop replacement

Supports a matched 3300 XL 8 mm system with multiple approvals

PRODUCT PRECAUTIONS

- 1 Verify the complete 330130-080-12-05 marking and its documented 3300 XL 8 mm Proximity Transducer System position before field work.
- 2 Place the monitored machine and associated protection channel in the approved maintenance state before disconnecting 3300 XL 8 mm FluidLoc extension cable with connector protector.
- 3 Protect every exposed connector and cable end from oil, moisture, dirt and impact while 330130-080-12-05 is open.
- 4 Record probe, extension-cable and Proximitor Sensor identities so the calibrated system length is preserved.
- 5 Route 330130-080-12-05 without sharp bends, crushing, abrasion or tensile loading at either coaxial termination.
- 6 Clean and finger-tighten each ClickLoc connection; never transfer connector torque or wiring practice from a different transducer family.
- 7 Set the static gap only after mechanical mounting and the complete matched loop have been confirmed.
- 8 Verify polarity, dynamic response and alarm action before returning the machinery-protection channel to service.

ENGINEER FAQ

Q1 Does 330130-080-12-05 match 3300 XL 8 mm probe in a Oil-film bearing vibration monitoring installation?

Verify the complete 330130-080-12-05 marking, the documented 3300 XL 8 mm Proximity Transducer System position and the installed 3300 XL 8 mm probe before fitting the assembly.

Q3 Which 3300 XL 8 mm Proximity Transducer System records should be captured before removing 330130-080-12-05?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330130-080-12-05 before disconnection.

Q5 Which matched 3300 XL Proximitior Sensor condition should be checked when 330130-080-12-05 reports an abnormal state?

Check the matched 3300 XL Proximitior Sensor supply, seating and connection first, then compare channel diagnostics with the recorded 330130-080-12-05 baseline.

Q7 What maintenance evidence is required after 330130-080-12-05 is used for Keyphasor phase-reference service?

Retain the nameplate record, corrective action, final diagnostics and a controlled keyphasor phase-reference service functional-test result for 330130-080-12-05.

Q2 How should 330130-080-12-05 be wired when it must provides eight metres of extension length?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330130-080-12-05; then continuity-test the affected path.

Q4 What controlled test confirms that 330130-080-12-05 can uses fluidloc cable construction?

Apply the approved field or simulated stimulus, observe the 3300 XL 8 mm Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330130-080-12-05 be moved directly into Axial thrust-position loops without validating compatible vibration or position monitor?

No. Confirm the compatible vibration or position monitor, revision, connection scheme and 3300 XL 8 mm Proximity Transducer System configuration before transferring 330130-080-12-05 to that duty.

Q8 How should 330130-080-12-05 be returned to service in Turbomachinery proximity-loop replacement?

Restore power under control, verify includes probe-side connector protection, exercise the intended signal path and release 330130-080-12-05 only after the 3300 XL 8 mm Proximity Transducer System remains in its approved operating state.

SOURCE 3300 XL 8 mm Proximity Transducer System Datasheet | 141194 Rev. AM

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